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September 24, 2018

VIA E-FILING

Jocelyn Boyd, Esquire Chief Clerk and Administrator South Carolina Public Service Commission 101 Executive Center Drive Columbia, SC 29210

RE: Direct Testimony of Kevin W. O'Donnell filed on behalf of South Carolina Energy

Users Committee

Consolidated Docket Nos. 2017-207-E, 2017-305-E and 2017-370-E

Dear Ms. Boyd:

I have enclosed for filing the Direct Testimony of Kevin W. O'Donnell, CFA, which I am filing on behalf of the South Carolina Energy Users Committee ("SCEUC") in the above-captioned matter. By copy of this letter, I am serving all parties of record.

If you have questions, please do not hesitate to contact me.

Sincerely,

ELLIOTT & ELLIOTT, P.A.

Scott Elliott

SE/lbk

Enclosures

cc: All parties of record (w/enc.)

STATE OF SOUTH CAROLINA

BEFORE THE PUBLIC SERVICE COMMISSION

DOCKET NOS. 2017-207-E, 2017-305-E, AND 2017-370-E

| IN RE: |) |
|---|--------|
| Friends of the Earth and Sierra Club, Complainants/Petitioners |) |
| v. |) |
| South Carolina Electric & Gas Company, Defendant/Respondent |))))) |
| IN RE: Request of the Office of Regulatory Staff for Rate Relief to South Carolina Electric & Gas Company's Rates Pursuant to S.C. Code Ann. §58-27-920 |) |
| IN RE: |) |
| Joint Application and Petition of South | 7 |
| Carolina Electric & Gas Company and | j. |
| Dominion Energy, Inc. for review and |) |
| approval of a proposed business |) |
| combination between SCANA |) |
| Corporation and Dominion Energy, Inc., |) |
| as may be required and for prudency |) |
| determination regarding the abandonment of the V.C. Summer Units 2 & 3 Project |)) |
| and associated merger benefits and cost |) } |
| recovery plan. | ĺ |
| | |

Direct Testimony

of

Kevin W. O'Donnell, CFA

On Behalf of

South Carolina Energy Users Committee

September 24, 2018

BEFORE SOUTH CAROLINA PUBLIC SERVICE COMMISSION

DIRECT TESTIMONY OF KEVIN W. O'DONNELL, CFA

| 1 | Q. | PLEASE | STATE | YOUR | NAME, | POSITION, | AND | BUSINESS |
|---|----|---------|----------|--------|-------|-----------|-----|----------|
| 2 | | ADDRESS | S FOR TI | HE REC | ORD. | | | |
| | | | | | | 4.5 | | |

My name is Kevin W. O'Donnell. I am President of Nova Energy 3 A. Consultants, Inc. My business address is 1350 Maynard Rd., Suite 101, 4 Cary, North Carolina 27511. 5

6

ON WHOSE BEHALF ARE YOU PRESENTING TESTIMONY IN 7 Q. THIS PROCEEDING? 8

I am testifying on behalf of the South Carolina Energy Users Committee 9 A. (SCEUC), which is an industrial trade association in South Carolina. Many 10 of SCEUC's members take retail electric service from South Carolina 11 Electric & Gas (SCE&G or the Company) and will be impacted by the 12 proceedings in this case. 13

14

PLEASE SUMMARIZE YOUR EDUCATIONAL BACKGROUND 15 O. AND RELEVANT EMPLOYMENT EXPERIENCE. 16

I have a Bachelor of Science in Civil Engineering from North Carolina State 17 A. University and a Master of Business Administration from the Florida State 18 University. I earned the designation of Chartered Financial Analyst (CFA) 19 in 1988. I have worked in utility regulation since September 1984, when I 20 joined the Public Staff of the North Carolina Utilities Commission (NCUC). 21 I left the NCUC Public Staff in 1991 and have worked continuously in 22 utility consulting since that time, first with Booth & Associates, Inc. (until 23 1994), then as Director of Retail Rates for the North Carolina Electric 24 Membership Corporation (1994-1995), and since then in my own consulting 25

firm. I have been accepted as an expert witness on rate of return, cost of capital, capital structure, cost of service, and other regulatory issues in general rate cases, fuel cost proceedings, and other proceedings before the North Carolina Utilities Commission, the South Carolina Public Service Commission (Commission), the Virginia State Commerce Commission, the Minnesota Public Service Commission, the Colorado Public Service Commission, the New Jersey Board of Public Utilities, the Wisconsin Public Service Commission, and the Florida Public Service Commission. In 1996, I testified before the U.S. House of Representatives, Committee on Commerce and Subcommittee on Energy and Power, concerning competition within the electric utility industry. Additional details regarding my education and work experience is set forth in Appendix A to my direct testimony.

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?

17 A. The purpose of my testimony in this case is to address the testimony of
18 Company Witness Lapson regarding her views on the financial credit
19 condition of SCE&G and to inform the Commission of two other options
20 SCANA has to enable it to avoid further credit deterioration for SCE&G.

Q. PLEASE EXPLAIN MS. LAPSON'S TESTIMONY IN THIS CASE.

A. Ms. Lapson was retained by SCE&G to provide an opinion in regard to the request of the Office of Regulatory Staff (ORS) for SCE&G to immediately suspend \$445 million of revenues the Company collects each year pursuant to the Base Load Review Act (BLRA). In her initial prefiled testimony filed on December 7, 2017, Ms. Lapson states that the petition of the ORS would "undermine the financial stability and viability of SCE&G." ¹ Ms.

¹ Lapson prefiled testimony of December 7, 2017, p. 3,

| 1 | Lapson goes on to state that, if the ORS petition is granted, a number of |
|----------------------|---|
| 2 | unfavorable consequences such as cash flow effects, balance sheet effects, |
| 3 | credit agreement impacts, possible credit downgrades, and common equity |
| 4 | impacts may befall SCE&G. ² Ms. Lapson then summarizes all these |
| 5 | consequences by stating these issues would all "financially devastate" |
| 6 | SCE&G and be detrimental to the Company's ability to provide safe and |
| 7 | reliable service to its customers. ³ |
| 8 | |
| 9 | On August 2, 2018, Ms. Lapson filed updated testimony in this proceeding |
| 10 | in which the tone of her testimony was a bit more subdued. As an example, |
| 11 | Ms. Lapson states the following in regard to a summary of her testimony: |
| 12 | |
| 13 14 15 16 | The financial future of both SCE&G and SCANA are clouded with uncertainty, and as a consequence, the companies are <u>constrained</u> in their access to equity and debt capital funding, creating additional risk for utility customers. |
| 17 18 | ⁴ (underline added) |
| 19 | In this same testimony, Ms. Lapson further states: |
| 20 | |
| 21 | Elimination of the BLRA recovery stream of payments |
| 22 | would likely result in downgrades of both companies in the |
| 23 | speculative grade by all three rating agencies. Increased debt |
| 24 | leverage as a result of severe equity write-down also would |
| 25 | make SCE&G vulnerable to operating or regulatory stresses |
| 26 | that would make it difficult for the Company to fund normal |
| 27 | operations or external events, such as storm restoration. |
| 28 | 5(underline added) |

28 29

² Id, p. 3-5 ³ Id, p. 5

⁴Lapson testimony filed August 2, 2018, p. 6

⁵ Id, p. 26

| 1 | Q. | WHAT HAS TRANSPIRED IN THE CREDIT MARKETS |
|---|----|---|
| 2 | | REGARDING SCE&G SINCE MS. LAPSON'S PREFILED |
| 3 | | TESTIMONY ON DECEMBER 7, 2017 TO THE DATE OF HER |
| 4 | | UPDATED TESTIMONY ON AUGUST 2, 2018? |
| 5 | A. | On June 29, 2018, SCANA Corp. announced it was cutting its dividend 80% |
| 6 | | so that its quarterly dividend to-be paid would fall from 61.25 cents per |
| 7 | | share to 12.37 cents per share. This cut in the dividend payment amounts |

to a savings to SCANA Corp. of approximately \$279 million. The credit rating agencies reacted positively to the news of a dividend cut. Moody's

11 it states:

The confirmation also considers SCANA's credit supportive announcement last week that it would cut its dividend by 80% in response to these legislative developments", added Schumacher (Vice President -Senior Credit Officer at Moody's) ⁶

specifically cites the dividend cut in its July 2, 2018 report on SCANA when

This same Moody's report goes on to state:

The ratings confirmations consider the **manageable** impact of the legislated revenue reduction on SCE&G's and SCANA's credit quality and metrics, especially in light of the dividend cut, while also recognizing that ultimate authority for establishing permanent rates remains with the SCPSC. The SCPSC has an open docket to evaluate rate plans proposed by SCANA and Dominion Energy, Inc. (Baa2 negative) in conjunction with their pending merger, as well as an alternate plan for SCE&G. **Both these plans incorporate more credit supportive proposals for sharing of the cost of the abandoned nuclear plant**. Moody's believes the new legislation may further pressure the SCPSC to set rates that are unusually low or significantly delay or deny recovery; however, we think it is unlikely they

 $^{^6}$ Moodys report July 2, 2018, "Moody's confirms SCANA, SCE&G and PSNC, rating outlook negative", p. 1

| 1 2 | | would establish rates that are lower than the temporary rates set by the new legislation. The legislation requires the |
|--------|----|--|
| 3 | | SCPSC render its decision by December. (underline and |
| 4 | | bold added) ⁷ |
| 5 6 | | |
| 7 | Q. | IN EITHER HER DECEMBER 7, 2017 TESTIMONY OR HER |
| 8 | | AUGUST 2, 2018 TESTIMONY, DID MS. LAPSON DISCUSS |
| 9 | | DIVIDEND CUTS AS A POTENTIAL MITIGATING FACTOR FOR |
| 10 | | CREDIT DOWNGRADES? |
| 11 | A. | No. Ms. Lapson's testimonies did not anticipate dividend cuts but, instead |
| 12 | | focused on the consequences involving credit downgrades and possible |
| 13 | | bankruptcy. However, as noted in the July 2, 2018 Moody's report, SCANA |
| 14 | | did reduce its dividend and is managing the risk and taking steps to dig ou |
| 15 | | of its financial hole. |
| 16 | | |
| 17 | Q. | ARE THERE ANY OTHER STEPS THAT SCANA CAN TAKE TO |
| 18 | | FURTHER STABILIZE ITS FINANCIAL CONDITION? |
| 19 | A. | Yes. SCANA should examine selling Public Service Company of North |
| 20 | | Carolina (PSNC), which is a gas distribution utility, that serves the |
| 21 | | Asheville and Raleigh/Durham areas of the state. Within the past two years, |
| 22 | | both Southern Company and Duke Energy have purchased gas distribution |
| 23 | | utilities in the southeast and paid high premiums for those assets. A sale of |
| 24 | | PSNC would create additional cash which SCANA could use to pay down |
| 25 | | debt and/or create an extra cushion of financial liquidity. |
| 26 | | |
| 27 | Q. | DO YOU KNOW IF SCANA EXECUTIVES HAVE EXAMINED |
| 28 | | THE POSSIBILITY OF SELLING PSNC? |

 $^{^7\,}$ Moodys report July 2, 2018, "Moody's confirms SCANA, SCE&G and PSNC, rating outlook negative", p. 1

| 1 | A. | Yes. SCANA has examined the possibility of selling PSNC, but it ha |
|----------------------------------|----|---|
| 2 | | rejected the sale because the price offered for the North Carolina gas utility |
| 3 | | was insufficient. |
| 4 | | |
| 5 | | The February 19, 2018 issue of the Triangle Business Journal reported the |
| 6 | | following: |
| 7 8 9 10 11 12 | | SCANA, the South Carolina-based parent company of Public Service Company of North Carolina (PSNC), which provides natural gas to the Triangle region, had multiple conversations with three unidentified utility companies in addition to Dominion, referred to in filings as parties A, B and C. |
| 13 14 15 16 | | Party C told SCANA on Dec. 19 – just weeks before the Dominion deal was announced – that it would be interested in acquiring just PSNC for \$2.2 billion. |
| 17 18 19 20 21 22 | | On a telephone board conference that same day, SCANA CEO Jimmy Addison said the proposal, in his view, "was not particularly attractive given the valuation proposed by Party C and the fact that Public Service Company of North Carolina was a key driver of SCANA's growth." 8 |
| 23 | | \$2.2 billion would go a long way in helping SCANA shore up its financial |
| 24 | | condition. I respect Mr. Addison's belief that the value offered for PSNC |
| 25 | | was not sufficiently high to take action to sell the gas utility. However, the |
| 26 | | desire to enrich stockholders is now secondary to the needs of maintaining |
| 27 | | the "preservation of the financial integrity of the state's public utilities and |

⁸ Triangle Business Journal, February 19, 2018, "SEC Filings reveal Dominion had Competition for SCANA" https://www.bizjournals.com/triangle/news/2018/02/19/sec-filings-reveal-dominion-had-competition-for.html

| 1 | | continued investment in and maintenance of utility facilities so as to provide |
|----|----|--|
| 2 | | reliable and high quality utility services" 9 |
| 3 | | |
| 4 | Q. | HOW DOES THE POTENTIAL SALE OF PSNC AT \$2.2 BILLION |
| 5 | | COMPARE TO THE NET JENKINSVILLE ABANDONMENT |
| 6 | | COSTS? |
| 7 | A. | On August 4, 2017, SCE&G made an ex-parte presentation to the |
| 8 | | Commission in which it discussed the abandonment of the Jenkinsville |
| 9 | | plant. One of the slides presented to the Commission was entitled |
| 10 | | "Abandonment Economics". According to this slide, the estimated net |
| 11 | | amount of the abandonment costs was \$2.2 billion, which is the same |
| 12 | | amount SCANA executives rejected for the sale of PSNC. |
| 13 | | |
| 14 | | The importance of this slide from the ex-parte presentation should not be |
| 15 | | minimized. SCANA has an asset that is worth, according to media reports, |
| 16 | | the same amount required to offset the abandonment costs from the |
| 17 | | Jenkinsville facility. |
| 18 | | |
| 19 | Q. | DID MS. LAPSON MENTION THE POSSIBLE SALE OF PSNC AS |
| 20 | | A MEANS TO MITIGATE THE NEGATIVE CONSEQUENCES |
| 21 | | SHE MENTIONS IN HER EITHER OF HER TESTIMONIES? |
| 22 | A. | No, she did not. |
| 23 | | |
| 24 | Q. | IS THERE ANY OTHER MEASURE AVAILABLE TO THE |
| 25 | | COMPANY TO SECURE ITS CREDIT RATING? |
| 26 | A. | Yes. SCANA has cut its dividend, but it has not eliminated the dividend. I |
| 27 | | am not recommending that SCANA take that action but, again, that option |
| | | |

⁹ South Carolina Code Section 58-4-10(B)(3)

| 2 | | SCANA an additional \$70 million per year. |
|----|----|---|
| 3 | | |
| 4 | Q. | HAS THE CREDIT RATING OF SCE&G BEEN DOWNGRADED |
| 5 | | SINCE THE FILING OF MS. LAPSON'S TESTIMONY IN |
| 6 | | DECEMBER 2017? |
| 7 | A. | Yes. On February 5, 2018, Moody's downgraded the credit rating of |
| 8 | | SCE&G from Baa2 to Baa3. |
| 9 | | |
| 10 | Q. | HOW WILL THE CREDIT RATING DOWNGRADE THAT |
| 11 | | OCCURRED EARLIER THIS YEAR IMPACT THE COST OF |
| 12 | | CAPITAL FOR SCE&G? |
| 13 | A. | A downgrade in the SCE&G credit rating will not only impact the |
| 14 | | Company's cost of debt, but it will also impact its cost of equity. Many rate |
| 15 | | of return witnesses use credit ratings parameters as a means of selecting |
| 16 | | companies to be used in comparable groups. Indeed, SCE&G's rate of |
| 17 | | return witness Hevert used a credit rating parameter in the current case. 10 It |
| 18 | | is difficult to assess the exact impact such a downgrade will have on the |
| 19 | | Company's cost of equity as, admittedly, setting a return on equity is a |
| 20 | | subjective process seen through various filters. The cost of debt, on the other |
| 21 | | hand, can be easily estimated with strong analytical support. |
| 22 | | |
| 23 | Q. | DID YOU CALCULATE THE HIGHER COST OF DEBT THAT |
| 24 | | CONSUMERS OF SCE&G WILL BE ASKED TO PAY IN FUTURE |
| 25 | | RATES DUE TO THE DOWNGRADE OF THE SCE&G CREDIT |
| 26 | | RATING? |
| 27 | A. | Yes. |
| 28 | | |
| | | |

is available to the Company. Elimination of the dividend could save

Q. PLEASE EXPLAIN HOW YOU CALCULATED THE FUTURE HIGHER COST OF DEBT DUE TO THE CREDIT DOWNGRADE THAT OCCURRED EARLIER THIS YEAR.

A. First, it is important to understand that the higher cost of debt will only be applicable to new issues of SCE&G debt and not to existing issues of debt.

Existing holders of SCE&G long-term debt are not impacted, as long as they continue to hold the SCE&G debt until maturity.

The higher cost of debt will be applicable to new issues of SCE&G debt. To determine the amount of debt SCE&G may issue in the future, I examined past transmission and distribution (T&D) expenses to determine a possible future stream of T&D investments by the Company. I then examined the most recent filed Integrated Resource Plan (IRP) by the Company to determine future generation investments of the Company. Once I gathered all these investments, I developed a series of possible annual debt needs for the next 30 years that will be required to fund the various SCE&G investments.

I next examined yield spreads to determine the possible increase in interest costs associated with the one-notch downgrade that has already occurred in the SCE&G credit rating. The period I examined was from January 2011 through July 2018. The bond yield spread information was obtained from the Mergent Bond Record and listed the average yields on Public Utility "A" rated bonds and Public Utility "Baa" bonds. From January 2011, through June 2018, the average yield spread between these bonds was 60 basis points. From July 2017 through June 2018, the yield spread was 37 basis points. I used 50 basis points as a conservative estimate of the future yield spread. However, this spread represents a 3-notch difference whereas the credit downgrade for SCE&G has been only one notch (Baa2 to Baa3).

As a result, for the purposes of this analysis, I assumed the yield spread change would be 16.67 basis points (50 basis points divided by 3). The details of this analysis can be seen in Exhibit KWO-1.

The results of this analysis can be seen in Table 1 below.

Table 1: Cost of SCE&G Credit Downgrade

| Time | Increase in SCE&G |
|----------|-------------------|
| Period | Debt Costs |
| 10-years | \$12,165,612 |
| 20-years | \$47,050,152 |
| 30-years | \$110,315,254 |

As can be seen in the above table, the cost of the SCE&G downgrade will cost consumers approximately \$110 million over the next 30 years, meaning that the average cost of the downgrade is roughly \$3.67 million per year. The rate cut proposed by the ORS is \$445 million per year for 30 years. Clearly, the higher cost of debt should not be a determinative factor in assessing the ORS petition for rate reduction.

A.

Q. PLEASE EXPLAIN THE FUNDAMENTAL DIFFERENCE BETWEEN STOCKHOLDERS AND BONDHOLDERS.

In the event of a bankruptcy, bondholders have higher seniority than stockholders, meaning the company has to pay back its obligations to bondholders before it compensates stockholders. Since stockholders have a higher risk of repayment, the rate of return associated with holding stock (equity) in a company is higher than the cost of debt.

| 1 | Q. | HOW DOES THIS DIFFERENCE BETWEEN STOCK INVESTING |
|----|----|--|
| 2 | | AND BOND INVESTING IMPACT THIS CASE? |
| 3 | A. | In her direct testimony of December 7, 2017, Ms. Lapson goes into great |
| 4 | | detail about the perils of credit downgrades. As I have shown above, there |
| 5 | | are tools available, such as the sale of PSNC or a further cut in dividends, |
| 6 | | that can help stabilize the credit situation of SCANA and SCE&G. |
| 7 | | |
| 8 | | Any further actions taken by SCANA executives to shore up the financial |
| 9 | | stability for bondholders will come at the expense of stockholders who have |
| 10 | | already seen a 40% drop in their investments since the Company announced |
| 11 | | the cessation at work at Jenkinsville. |
| 12 | | |
| 13 | | However, SCANA's shareholders are not blameless here. Stockholders |
| 14 | | elected SCANA's board of directors who in turn, selected the Company's |
| 15 | | management team. In electing the board, the stockholders entrusted the |
| 16 | | board with the management and oversight of the Company's executives |
| 17 | | who were expected would faithfully carry out their responsibilities. |
| 18 | | SCANA is, ultimately, owned by its stockholders and they must take |
| 19 | | ownership of the Company. |
| 20 | | |
| 21 | | Nothing was promised to stockholders when they purchased stock in |
| 22 | | SCANA. Stockholders knowingly invested in the stock and sought to gain |
| 23 | | from management of the nuclear construction. The management put in |
| 24 | | place by SCANA's stockholders failed these stockholders. |
| 25 | | |
| 26 | | SCANA executives have a fiduciary duty to the stockholders. This |
| 27 | | Commission, on the other hand, has a duty to balance the needs and interests |
| 28 | | of ratepayers. This Commission should not be swayed by the desires of |

stockholders in this case.

29

| 1 | | |
|----|----|---|
| 2 | Q. | DO YOU BELIEVE THE COMMISSION SHOULD REDUCE |
| 3 | | RATES BY 18% AS REQUESTED BY THE ORS? |
| 4 | A. | Yes, I believe the 18% rate cut requested by the ORS should be |
| 5 | | implemented. The credit agencies have noted that the situation in which |
| 6 | | SCANA now finds itself is "manageable". |
| 7 | | |
| 8 | | In addition, the sale of PSNC and the entire elimination of the SCANA |
| 9 | | dividend can provide even more credit stability to SCANA. |
| 10 | | |
| 11 | | Lastly, stockholders took a risk in buying and holding the SCANA stock. |
| 12 | | Stockholders, not ratepayers, should bear the brunt of the financial |
| 13 | | consequences brought on by executive oversight in regard to Jenkinsville. |
| 14 | | |
| 15 | Q. | DOES THIS COMPLETE YOUR TESTIMONY? |
| 16 | A. | Yes, it does. |
| | | |

Appendix A

Kevin W. O'Donnell, CFA

Nova Energy Consultants, Inc. (Nova)

1350-101 SE Maynard Rd. Cary, NC 919-461-0270 919-461-0570 (fax)

kodonnell@novaenergyconsultants.com

Kevin W. O'Donnell, is the founder of Nova Energy Consultants, Inc. in Cary, NC. Mr. O'Donnell's academic credentials include a B.S. in Civil Engineering - Construction Option from North Carolina State University as well as a MBA in Finance from Florida State University. Mr. O'Donnell is also a Chartered Financial Analyst (CFA).

Mr. O'Donnell has over thirty-three years of experience working in the electric, natural gas, and water/sewer industries. He is very active in municipal power projects and has assisted numerous southeastern U.S. municipalities cut their wholesale cost of power by as much as 67%. On Dec. 12, 1998, *The Wilson Daily Times* made the following statement about O'Donnell.

Although we were skeptical of O'Donnell's efforts at first, he has shown that he can deliver on promises to cut electrical rates.

As of the start of 2015, Mr. O'Donnell has completed over 25 wholesale power projects for municipal and university-owned electric systems throughout North and South Carolina. In May of 1996 Mr. O'Donnell testified before the U.S. House of Representatives, Committee on Commerce, Subcommittee on Energy and Power regarding the restructuring of the electric utility industry.

Mr. O'Donnell has appeared as an expert witness in 95 regulatory proceedings before the North Carolina Utilities Commission, the South Carolina Public Service Commission, the Virginia Corporation Commission, the Minnesota Public Service Commission, the New Jersey Board of Public Utilities, the Colorado Public Service Commission, District of Columbia Public Service Commission, the Maryland Public Service Commission, the Public Utility Commission of Texas, the Wisconsin Public Service Commission, and the Florida Public Service Commission. His area of expertise has included rate design, cost of service, rate of return, capital structure, nuclear decommissioning, natural gas expansion feasibility studies, fuel adjustments, merger transactions, cogeneration studies, holding company applications, as well as numerous other accounting, financial, and utility rate-related issues.

Mr. O'Donnell is the author of the following two articles: "Aggregating Municipal Loads: The Future is Today" which was published in the Oct. 1, 1995 edition of *Public Utilities Fortnightly*; and "Worth the Wait, But Still at Risk" which was published in the May 1, 2000 edition of *Public Utilities Fortnightly*. Mr. O'Donnell is also the co-author of "Small Towns, Big Rate Cuts" which was published in the January, 1997 edition of *Energy Buyers Guide*. All of these articles discuss how rural electric systems can use the wholesale power markets to procure wholesale power supplies.

Regulatory Cases of Kevin W. O'Donnell, CFA Nova Energy Consultants, Inc.

| Name of | State | Docket | Client | Case |
|---------------------------------------|-------|---------------|---------------------------------------|---|
| | | | | Canco |
| Public Service Company of NC | NC | G-5, Sub 200 | Public Staff of NCUC | Return on equity, capital structure |
| Piedmont Natural Gas Company | NC | G-9, Sub 251 | Public Staff of NCUC | Return on equity, capital structure |
| General Telephone of the South | NC | P-19, Sub 207 | Public Staff of NCUC | Return on equity, capital structure |
| Public Service Company of NC | NC | G-5, Sub 207 | Public Staff of NCUC | Return on equity, capital structure |
| Piedmont Natural Gas Company | NC | G-9, Sub 278 | Public Staff of NCUC | Return on equity, capital structure |
| Public Service Company of NC | NC | G-5, Sub 246 | Public Staff of NCUC | Return on equity, capital structure |
| North Carolina Power | NC | E-22, Sub 314 | Public Staff of NCUC | Return on equity, capital structure |
| Duke Energy | NC | E-7, Sub 487 | Public Staff of NCUC | Return on equity, capital structure |
| North Carolina Natural Gas | NC | G-21, Sub 306 | Public Staff of NCUC | Natural gas expansion fund |
| North Carolina Natural Gas | NC | G-21, Sub 307 | Public Staff of NCUC | Natural gas expansion fund |
| Penn & Southern Gas Company | NC | G-3, Sub 186 | Public Staff of NCUC | Return on equity, capital structure |
| North Carolina Natural Gas | NC | G-21, Sub 334 | Carolina Utility Customers Assoc. | Return on equity, capital structure, rate design, cost of service |
| Carolina Power & Light Company | NC . | E-2, Sub 680 | Carolina Utility Customers Assoc. | Fuel adjustment proceeding |
| Duke Power | NC | E-7, Sub 559 | Carolina Utility Customers Assoc. | Fuel adjustment proceeding |
| Piedmont Natural Gas Company | NC | G-9, Sub 378 | Carolina Utility Customers Assoc. | Return on equity, capital structure, rate design, cost of service |
| Piedmont Natural Gas Company | NC | G-9, Sub 382 | Carolina Utility Customers Assoc. | Return on equity, capital structure, rate design, cost of service |
| Public Service Company of NC | NC | G-5, Sub 356 | Carolina Utility Customers Assoc. | Return on equity, capital structure, rate design, cost of service |
| Cardinal Extension Company | NC | G-39, Sub 0 | Carolina Utility Customers Assoc. | Capital structure, cost of capital |
| Public Service Company of NC | NC | G-5, Sub 327 | Carolina Utility Customers Assoc. | Return on equity, capital structure, rate design, cost of service |
| Public Service Company of NC | NC | G-5, Sub 386 | Carolina Utility Customers Assoc. | Return on equity, capital structure, rate design, cost of service |
| Public Service Company of NC | | G-5, Sub 386 | Carolina Utility Customers Assoc. | Natural gas transporation rates |
| Public Service Company of NC/SCANA | | G-5, Sub 400 | Carolina Utility Customers Assoc. | Merger case |
| Public Service Company of NC/SCANA | | G-43 | Carolina Utility Customers Assoc. | Merger Case |
| Carolina Power & Light Company | NC | E-2, Sub 753 | Carolina Utility Customers Assoc. | Holding company application |
| Carolina Power & Light Company | NC | G-21, Sub 387 | Carolina Utility Customers Assoc. | Holding company application |
| Carolina Power & Light Company | NC | P-708, Sub 5 | Carolina Utility Customers Assoc. | Holding company application |
| Piedmont Natural Gas Company | NC | G-9, Sub 428 | Carolina Utility Customers Assoc. | Return on equity, capital structure, rate design, cost of service |
| NUI Corporation | | G-3, Sub 224 | Carolina Utility Customers Assoc. | Holding company application |
| NUI Corporation/Virginia Gas Compan | | G-3, Sub 232 | Carolina Utility Customers Assoc. | Merger application |
| Duke Power | NC | E-7, Sub 685 | Carolina Utility Customers Assoc. | Emission allowances and environmental compliance costs |
| NUI Corporation | | G-3, Sub 235 | Carolina Utility Customers Assoc. | Tariff change request. |
| Carolina Power & Light Company/Prog | | E-2, Sub 778 | Carolina Utility Customers Assoc. | Asset transfer case |
| Duke Power | NC | E-7, Sub 694 | Carolina Utility Customers Assoc. | Restructuring application |
| Piedmont Natural Gas Company | NC | G-9, Sub 461 | Carolina Utility Customers Assoc. | Return on equity, capital structure, rate design, cost of service |
| Cardinal Pipeline Company | | G-39, Sub 4 | Carolina Utility Customers Assoc. | Cost of capital, capital structure |
| South Carolina Public Service Commiss | | 2002-63-G | South Carolina Energy Users Committee | Rate of return, accounting, rate design, cost of service |
| Piedmont Natural Gas/North Carolina ! | | G-9, Sub 470 | Carolina Utility Customers Assoc. | Merger application |
| Piedmont Natural Gas/North Carolina P | | G-9, Sub 430 | Carolina Utility Customers Assoc. | Merger application |
| Piedmont Natural Gas/North Carolina P | r NC | E-2, Sub 825 | Carolina Utility Customers Assoc. | Merger application |

Regulatory Cases of Kevin W. O'Donnell, CFA Nova Energy Consultants, Inc.

| Name of Applicant | State Justisdiction | Docket No. | Employer | Case Issues |
|--|------------------------|-----------------------|---|---|
| Carolina Power & Light Company | NC | E-2, Sub 833 | Carolina Utility Customers Assoc. | Fuel case |
| South Carolina Electric & Gas | SC | 2004-178-E | South Carolina Energy Users Committee | Return on equity, capital structure, rate design, cost of service |
| Carolina Power & Light Company | NC | E-2, Sub 868 | Carolina Utility Customers Assoc. | Fuel case |
| Piedmont Natural Gas Company | NC | G-9, Sub 499 | Carolina Utility Customers Assoc. | Return on equity, capital structure, rate design, cost of service |
| South Carolina Electric & Gas | SC | 2005-2-E | South Carolina Energy Users Committee | Fuel application |
| Carolina Power & Light Company | SC | 2006-1-E | South Carolina Energy Users Committee | Fuel application |
| IRP in North Carolina | NC | E-100, Sub 103 | Carolina Utility Customers Assoc. | Submitted rebuttal testimony in investigation of IRP in NC. |
| Piedmont Natural Gas Company | NC | G-9, Sub 519 | Carolina Utility Customers Assoc. | Creditworthiness issue |
| Public Service Company of NC | NC | G-5, Sub 481 | Carolina Utility Customers Assoc. | Return on equity, capital structure, rate design, cost of service |
| Duke Power | NC | E-7, 751 | Carolina Utility Customers Assoc. | App to share net revenues from certain wholesale pwr trans |
| South Carolina Electric & Gas | SC | 2006-192-E | South Carolina Energy Users Committee | Fuel application |
| Duke Power | NC | E-7, Sub 790 | Carolina Utility Customers Assoc. | Application to construct generation |
| South Carolina Electric & Gas | SC | 2007-229-E | South Carolina Energy Users Committee | Rate of return, accounting, rate design, cost of service |
| South Carolina Electric & Gas | SC | 2008-196-E | South Carolina Energy Users Committee | Base load review act proceeding |
| Western Carolina University | NC | E-35, Sub 37 | Western Carolina University | Rate of return, accounting, rate design, cost of service |
| Duke Power | NC | E-7, Sub 909 | Carolina Utility Customers Assoc. | Cost of service, rate design, return on equity, capital structure |
| South Carolina Electric & Gas | sc | 2009-261-E | South Carolina Energy Users Committee | DSM/EE rate filing |
| Duke Power | SC | 2009-226-E | South Carolina Energy Users Committee | Return on equity, capital structure, rate design, cost of service |
| Tampa Electric | FL | 080317-EI | Florida Retail Federation | Return on equity, capital structure |
| Duke Power | SC | 2010-3-E | South Carolina Energy Users Committee | Fuel application - assisted in settlement |
| South Carolina Electric & Gas | SC | 2009-489-E | South Carolina Energy Users Committee | Return on equity, capital structure, rate design, cost of service |
| Virginia Power | VA | PUE-2010-00006 | Mead Westvaço | Rate design |
| Duke Energy | SC | 2011-20-E | South Carolina Energy Users Committee | Nuclear construction financing |
| Northern States Power | MN | E002/GR-10-971 | Xcel Large Industrials | Return on equity, capital structure |
| Virginia Power | VA | PUE-2011-0027 | Mead Westvaco | Capital structure, revenue requirement |
| Duke Energy | NC | E-7, Sub 989 | Carolina Utility Customers Assoc. | Accounting, cost of service, rate design, ROE, capital structure |
| Duke Energy | SC | 2011-271-E | South Carolina Energy Users Committee | Accounting, cost of service, rate design, ROE, capital structure |
| Dominion Virginia Power | | PUE-2011-00073 | Mead Westvaco | Rate design |
| Town of Smithfield/Partners Equity Gri | | ES-160, Sub 0 | Partners Equity Group | Rate design, asset valuation |
| Florida Power & Light | FL | 120015-EI | Florida Office of Public Counsel | Capital structure |
| South Carolina Electric & Gas | SC | 2012-218-E | South Carolina Energy Users Committee | Accounting, cost of service, rate design, ROE, capital structure |
| Progress Energy Carolinas | NC | E-2, Sub 1023 | Carolina Utility Customers Assoc. | Accounting, cost of service, rate design, ROE, capital structure |
| Duke Energy Carolinas | NC | E-7, Sub 1026 | Carolina Utility Customers Assoc. | Rate design |
| Jersey Central Power & Light | S | BPU ER12111052 | Gerdau Ameristeel | Return on equity, capital structure |
| Duke Energy Carolinas | SC | 2013-59-E | South Carolina Energy Users Committee | Accounting, cost of service, rate design, ROE, capital structure |
| Tampa Electric | H | 130040-EI | Florida Office of Public Counsel | Capital structure and financial integrity |
| Piedmont Natural Gas | NC | G-9, Sub 631 | Carolina Utility Customers Assoc. | Accounting, cost of service, rate design, ROE, capital structure |
| Dominion Virginia Power | ٧A | PUE-2014-00033 | Mead Westvaco | Recoverable fuel costs, hedging strategies |
| Public Service Company of Colorado | 9 | 14AL-0660E | Colorado Healthcare Electric Coordinating Council | Return on equity, capital structure |

Regulatory Cases of Kevin W. O'Donnell, CFA Nova Energy Consultants, Inc.

| | - | | | |
|-------------------------------|---------------|----------------|---|--|
| Name of | State | Docket | Client/ | Case |
| Applicant | Jusrisdiction | No. | Employer | Issues |
| | | | | |
| WEC Acquisition of Integrys | WI | 9400-YO-100 | Staff of Wisconsin Public Service Commission | Merger analysis |
| Dominion Virginia Power | VA | PUE-2015-00027 | Federal Executive Agencies | Return on equity |
| South Carolina Electric & Gas | sc | 2015-103-E | South Carolina Energy Users Committee | Return on equity |
| Western Carolina University | NC | E-35, Sub 45 | Western Carolina University | Accounting, cost of service, rate design, ROE, canital structure |
| | MD | 9410 | Maryland Office of People's Counsel | Return on equity, capital structure |
| Washington Gas Light | DC | FC 1137 | Washington, DC Office of People's Counsel | Return on equity, capital structure |
| Florida Power & Light | FL | 160021-EI | Florida Office of Public Counsel | Capital Structure |
| Jersey Central Power & Light | 'n | EM15060733 | NJ Division of Rate Counsel | Asset valuation |
| Rockland Electric Company | S | ER16050428 | NJ Division of Rate Counsel | Rate design |
| Dominon NC Power | NC | E-22, Sub 532 | Carolina Utility Customers Assoc. | Accounting, cost of service, rate design, ROE, capital structure |
| | | | Healthcare Council of the National Capitol Area | |
| Potomac Electric Power | DC | FC 1139 | (HCNCA) | ROE and capital structure |
| Columbia Gas of Maryland | MD | FC 9447 | Maryland Office of People's Counsel | ROE and capital structure |
| Washington Gas Light | DC | FC 1142 | Washington, DC Office of People's Counsel | Merger analysis |
| Duke Energy Progress | NC | E-2, Sub 1142 | Carolina Utility Customers Assoc. | Accounting, cost of service, rate design, ROE, capital structure |
| Public Service Electric & Gas | Ŋ | GR17070776 | NJ Division of Rate Counsel | ROE and capital structure |
| Duke Energy Carolinas | NC | E-7, Sub 1146 | Carolina Utility Customers Assoc. | Accounting, cost of service, rate design, ROF, capital structure |
| | MD | FC 9475 | Maryland Office of People's Counsel | Merger analysis |
| | ΧŢ | PUC 48371 | Public Utilities Commission of Texas | ROE |
| Duke Energy Carolinas | SC | 2018-3-E | South Carolina Energy Users Committee | Fuel case |
| Elkton Gas Company | MD | FC 9488 | Maryland Office of People's Counsel | Accounting, ROE, capital structure |
| Baltimore Gas & Electric | MD | FC9484 | Maryland Office of People's Counsel | ROF. canital structure |

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Exhibit KWO-1

SCE&G Interest Cost Increase Due to Downgrade 16.67-basis point spread

| _ | | | | | | |
|---|------|---------------|--------------|---------------|---------------|-----------|
| L | Year | T&D | Gen | Total | Cumulative | Int Costs |
| | 2018 | \$108,675,782 | \$90,000,000 | \$198,675,782 | \$198,675,782 | \$331,126 |
| | 2019 | 111,120,987 | 0 | 111,120,987 | 309,796,769 | 516,328 |
| | 2020 | 113,621,209 | 0 | 113,621,209 | 423,417,978 | 705,697 |
| | 2021 | 116,177,686 | 0 | 116,177,686 | 539,595,665 | 899,326 |
| | 2022 | 118,791,684 | 142,401,429 | 261,193,114 | 658,387,349 | 1,097,312 |
| | 2023 | 121,464,497 | 142,401,429 | 263,865,927 | 779,851,846 | 1,299,753 |
| | 2024 | 124,197,449 | 0 | 124,197,449 | 904,049,295 | 1,506,749 |
| | 2025 | 126,991,891 | 0 | 126,991,891 | 1,031,041,186 | 1,718,402 |
| | 2026 | 129,849,209 | 0 | 129,849,209 | 1,160,890,395 | 1,934,817 |
| | 2027 | 132,770,816 | 0 | 132,770,816 | 1,293,661,211 | 2,156,102 |
| | 2028 | 135,758,159 | 0 | 135,758,159 | 1,429,419,370 | 2,382,366 |
| | 2029 | 138,812,718 | 0 | 138,812,718 | 1,568,232,088 | 2,613,720 |
| | 2030 | 141,936,004 | 0 | 141,936,004 | 1,710,168,091 | 2,850,280 |
| | 2031 | 145,129,564 | 59,924,357 | 205,053,921 | 1,855,297,655 | 3,092,163 |
| | 2032 | 148,394,979 | 0 | 148,394,979 | 2,003,692,635 | 3,339,488 |
| | 2033 | 151,733,866 | 0 | 151,733,866 | 2,155,426,501 | 3,592,378 |
| | 2034 | 155,147,878 | 0 | 155,147,878 | 2,310,574,379 | 3,850,957 |
| | 2035 | 158,638,705 | 0 | 158,638,705 | 2,469,213,085 | 4,115,355 |
| | 2036 | 162,208,076 | 0 | 162,208,076 | 2,631,421,161 | 4,385,702 |
| | 2037 | 165,857,758 | 0 | 165,857,758 | 2,797,278,919 | 4,662,132 |
| | 2038 | 169,589,558 | 0 | 169,589,558 | 2,966,868,477 | 4,944,781 |
| | 2039 | 173,405,323 | 0 | 173,405,323 | 3,140,273,799 | 5,233,790 |
| | 2040 | 177,306,942 | 0 | 177,306,942 | 3,317,580,742 | 5,529,301 |
| | 2041 | 181,296,349 | 0 | 181,296,349 | 3,498,877,090 | 5,831,462 |
| | 2042 | 185,375,516 | 0 | 185,375,516 | 3,684,252,607 | 6,140,421 |
| | 2043 | 189,546,466 | 0 | 189,546,466 | 3,873,799,073 | 6,456,332 |
| | 2044 | 193,811,261 | 0 | 193,811,261 | 4,067,610,334 | 6,779,351 |
| | 2045 | 198,172,014 | 0 | 198,172,014 | 4,265,782,348 | 7,109,637 |
| | 2046 | 202,630,885 | 0 | 202,630,885 | 4,468,413,233 | 7,447,355 |
| | 2047 | 207,190,080 | 0 | 207,190,080 | 4,675,603,313 | 7,792,672 |

CERTIFICATE OF SERVICE

The undersigned employee of Elliott & Elliott, P.A. does hereby certify that (s)he has this date served one (1) copy of the pleading(s) indicated below by electronically mailing same and addressed as shown below:

RE:

Friends of the Earth and Sierra Club vs. South Carolina

Electric & Gas Company

Request of South Carolina Office of Regulatory Staff for

Rate Relief to SCE&G Rates Pursuant to

S.C. Code Ann. § 58-27-920

Joint Application and Petition of South Carolina Electric & Gas Company and Dominion Energy, Inc. for review and approval of a proposed business combination between SCANA Corporation and Dominion Energy, Inc., as may be required, and for prudency regarding the abandonment of the V.C. Summer Units 2 & 3 and associated customer

benefits and cost recovery plan.

Consolidated Docket Nos.:

2017-207-E, 2017-305-E, and 2017-370-E

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DIRECT TESTIMONY OF KEVIN W. O'DONNELL

September 24, 2018

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